Incoming
Annual Report
C0070038
#4063
OK

From: Dennis Ware <dware@alphanr.com>
To: "ogmcoal@utah.gov" <ogmcoal@utah.gov>
CC: Steve Demczak <stevedemczak@utah.gov>
Date: 3/29/2012 10:21 AM
Subject: Willow Creek 2011 Annual Report
Attachments: WillowCreek.pdf; WC Sed Pond Inspection 1st Qtr 2011.pdf; WC Sed Pond Inspection 2nd Qtr 2011.pdf; WC Sed Pond Inspection 3rd Qtr 2011.pdf; WC Sed Pond Inspection 4th Qtr 2011.pdf

Please find attached the 2011 Annual Report for the Willow Creek Mine as well as the quarterly sed. pond inspection reports.

Print Form | Submit by Email | Reset Form

Annual Report

This Annual Report shows information the Division has for your mine. Submit the completed document and any additional information identified in the Appendices to the Division by **March 30, 2012.** During a complete inspection an inspector will check and verify the information.

GENERAL INFORMATION

Company Name	Plateau Mining Corporation	Mine Name	Willow Creek Mine
Permit Number	C/007/0038	Permit expiration Date	April 24, 2016
Operator Name	Plateau Mining Corporation	Phone Number	+1 (435) 472-0475
Mailing Address	P.O. Box 30	Email	dware@alphanr.com
City	Helper		
State	Utah	Zip Code	84526

		DOGM File Location or Annual Report Location
Excess Spoil Piles	☐ Required ☒ Not Required	
Refuse Piles	☐ Required ☒ Not Required	
Impoundments	☒ Required ☐ Not Required	Attached to this Annual Report submittal
Other:		

OPERATOR COMMENTS

REVIEWER COMMENTS ☐ Met Requirements ☐ Did Not meet Requirements

REPORTING OF OTHER TECHNICAL DATA

Please list other technical data or information that was not included in the form above, but is required under the approved plan, which must be periodically submitted to the Division.

Please list attachments:

Quarterly water monitoring of six locations which is on file with the Division.

Reviewer Comments

MAPS

Copies of mine maps, current and up-to-date through at least December 31, 2011, are to be provided to the Division as an attachment to this report in accordance with the requirements of R645-301-525.240. The map copies shall be made in accordance with 30 CFR 75.1200 as required by MSHA. Mine maps are not considered confidential.

Map Name	Map Number	Included		Confidential	
		Yes	No	Yes	No
		☐	☐	☐	☐
		☐	☐	☐	☐
		☐	☐	☐	☐
		☐	☐	☐	☐
		☐	☐	☐	☐

Reviewer Comments ☐ Met Requirements ☐ Did Not Meet Requirements

EarthFax

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February 23, 2011

Mr. Dennis N. Ware
Plateau Mining Corporation
P.O. Box 592
Orangeville, UT 84537

Subject: Inspection of Sedimentation Pond 001

Dear Dennis:

On February 21, 2011 I conducted an inspection of the Willow Creek Mine sedimentation pond 001. The results of that inspection are attached.

Other than snow on the ground, the pond was empty at the time of my inspection, and no water was flowing into or out of the pond. The embankments and appurtenances associated with this pond all appear to be in excellent condition. I did not observe any structural weaknesses or other hazardous conditions associated with the pond. It is my opinion that the pond adequately serves its intended purpose and may continue to be used for that purpose.

Please contact me if you have any questions.

Sincerely,

Richard B. White, P.E.
President

Attachment

REGISTERED PROFESSIONAL ENGINEER
No. 168246
RICHARD B. WHITE
23 Feb 2011
STATE OF UTAH

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

To enter text, click in the box and type your response. If a box already contains an entry select the entry and type the replacement. You can use the tab key to move from one field to the next. To select a check box, click in the box or type an x.

GENERAL INFORMATION

Report Date	23 Feb 2011
Permit Number	C/007/038
Mine Name	Willow Creek Mine
Company Name	Plateau Mining Corporation

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Sedimentation Pond 001
Impoundment Number	001A
UPDES Permit Number	UTG040012
MSHA ID Number	NA

IMPOUNDMENT INSPECTION

Inspection Date	21 Feb 2011
Inspected by	Richard B. White
Reason for Inspection	Quarterly

(Annual, quarterly or other periodic inspections, critical installation , or completion of construction.)

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

The pond bottom and adjacent ground was covered with approximately 6 inches of snow at the time of the inspection. However, no instability, structural weakness, or other hazardous conditions were noted during the inspection.

Questions a and b are required for an impoundment, which functions as a Sedimentation pond.

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Sediment storage capacity = 4.6 AF
Maximum sediment storage elevation = 6163.7 ft
60% cleanout elevation = 6161.5 ft
60% cleanout volume = 2.8 AF

No substantial amount of sediment has accumulated in the pond since it was last cleaned out.

b. Principle and emergency spillway elevations.

Principal spillway elevation = 6171.0 ft
Emergency spillway elevation = 6172.0 ft

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

The pond was empty at the time of the inspection, with no water flowing into or out of the pond. It does not appear that the pond has discharged since the last inspection. The pond inlet and outlets appear to be in good working condition, with no signs of erosion or structural instability. The embankment appears to be structurally sound. The spillways were not operating at the time of the inspection, but appear to be in excellent condition. Because there has been no outflow, no water samples have been collected.

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No substantial amount of sediment has accumulated in the pond. Since much of the mine area has been reclaimed, the pond has a far greater capacity than is necessary under the regulations. It is doubtful that the pond will spill under normal conditions.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Richard Bowlet Date: 23 Feb 2011

CERTIFIED REPORT

IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

		YES	NO
1.	Is impoundment designed and constructed in accordance with the approved plan?	☒	☐
2.	Is impoundment free of instability, structural weakness, or any other hazardous conditions?	☒	☐
3.	Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	☒	☐

COMMENTS/ OTHER INFORMATION

The pond appears to be in excellent condition. No repairs are necessary for its continued operation. It is recommended that the pond continue in use under current protocols.

CERTIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: Richard B. White, P.E.

Full Name and Title

Signature: Richard B White Date 23 Feb 2011

P.E. Number & State 168246 (Utah)

[P.E. Cert. Stamp]

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April 28, 2011

Mr. Dennis N. Ware
Plateau Mining Corporation
P.O. Box 592
Orangeville, UT 84537

Subject: Inspection of Sedimentation Pond 001

Dear Dennis:

On April 22, 2011 I conducted an inspection of the Willow Creek Mine sedimentation pond 001. The results of that inspection are attached.

The pond was empty at the time of my inspection, and no water was flowing into or out of the pond. The embankments and appurtenances associated with this pond all appear to be in excellent condition, with the exception of minor erosion and sediment accumulation on the south embankment. This erosion occurred due to recent overtopping of the nearby culvert on Willow Creek, as indicated in the inspection report. Although I recommend that this erosion be repaired and the associated sediment be removed from the pond, it is my opinion that the pond may continue to be used before that work is completed.

Please contact me if you have any questions.

Sincerely,

Richard B. White, P.E.
President

Attachment

REGISTERED PROFESSIONAL ENGINEER
No. 166246
RICHARD B. WHITE
28 Apr 2011
STATE OF UTAH

To enter text, click in the box and type your response. If a box already contains an entry select the entry and type the replacement. You can use the tab key to move from one field to the next. To select a check box, click in the box or type an x.

GENERAL INFORMATION

Report Date	28 Apr 2011
Permit Number	C/007/038
Mine Name	Willow Creek Mine
Company Name	Plateau Mining Corporation

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Sedimentation Pond 001
Impoundment Number	001A
UPDES Permit Number	UTG040012
MSHA ID Number	NA

IMPOUNDMENT INSPECTION

Inspection Date	22 Apr 2011
Inspected by	Richard B. White
Reason for Inspection	Quarterly

(Annual, quarterly or other periodic inspections, critical installation , or completion of construction.)

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

No instability, structural weakness, or other hazardous conditions noted during the inspection.

Questions a and b are required for an impoundment, which functions as a Sedimentation pond.

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Sediment storage capacity = 4.6 AF
Maximum sediment storage elevation = 6163.7 ft
60% cleanout elevation = 6161.5 ft
60% cleanout volume = 2.8 AF

Approximately 5 to 10 cubic yards of sediment has accumulated in the pond since it was last cleaned out. This accumulation resulting from inflow due to debris blockage and overtopping of the culvert on Willow Creek, located about 300 feet east of the sedimentation pond. This culvert is not the responsibility of Plateau.

b. Principle and emergency spillway elevations.

Principal spillway elevation = 6171.0 ft
Emergency spillway elevation = 6172.0 ft

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

The pond was empty at the time of the inspection, with no water flowing into or out of the pond. It does not appear that the pond has discharged since the last inspection. The pond inlet and outlets appear to be in good working condition, with no signs of erosion or structural instability. The embankment appears to be structurally sound. The spillways were not operating at the time of the inspection, but appear to be in excellent condition. Because there has been no outflow, no water samples have been collected.

Some localized erosion of the south bank of the pond occurred when water from the culvert overtopping event flowed along the roadway and then into the pond. This erosion and the asociated sediment accumulation will require minor repair work.

3. **Field Evaluation.**

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

Since much of the mine area has been reclaimed, the pond has a far greater capacity than is necessary under the regulations. The pond overtopping event represented an unforseen condition, for which the pond was not designed, and yet the pond still did not didcharge. Hence, it is doubtful that the pond will spill under normal operating conditions.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Richard Butler Date: 28 Apr 2011

CERTIFIED REPORT

IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

		YES	NO
1.	Is impoundment designed and constructed in accordance with the approved plan?	☒	☐
2.	Is impoundment free of instability, structural weakness, or any other hazardous conditions?	☒	☐
3.	Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	☒	☐

COMMENTS/ OTHER INFORMATION

The pond appears to be in excellent condition. Minor repairs should be undertaked to fix the erosion on the south bank and remove the associated sediment that collected in the pond bottom. These repairs are not necessary for continued operation of the pond. It is recommended that the pond continue in use under current protocols.

CERTIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: Richard B. White, P.E.

Full Name and Title

Signature: Richard B White Date 28 Apr 2011

P.E. Number & State 168246 (Utah)

[P.E. Cert. Stamp]

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Fax 801-561-1861
www.earthfax.com

Jul 13, 2011

Mr. Dennis N. Ware
Plateau Mining Corporation
P.O. Box 592
Orangeville, UT 84537

Subject: Inspection of Sedimentation Pond 001

Dear Dennis:

On July 11, 2011 I conducted an inspection of the Willow Creek Mine sedimentation pond 001. The results of that inspection are attached.

The pond was empty at the time of my inspection, and no water was flowing into or out of the pond. The embankments and appurtenances associated with this pond all appear to be in excellent condition. The work to repair the minor erosion and sediment accumulation on the south embankment, due to overtopping of the nearby culvert on Willow Creek last spring, appears to have been effective. It is my opinion that the pond may continue to be used in its current state.

Please contact me if you have any questions.

Sincerely,

Richard B. White, P.E.
President

Attachment

REGISTERED PROFESSIONAL ENGINEER
No. 168246
RICHARD B. WHITE
13 Jul 2011
STATE OF UTAH

To enter text, click in the box and type your response. If a box already contains an entry select the entry and type the replacement. You can use the tab key to move from one field to the next. To select a check box, click in the box or type an x.

GENERAL INFORMATION

Report Date	13 Jul 2011
Permit Number	C/007/038
Mine Name	Willow Creek Mine
Company Name	Plateau Mining Corporation

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Sedimentation Pond 001
Impoundment Number	001A
UPDES Permit Number	UTG040012
MSHA ID Number	NA

IMPOUNDMENT INSPECTION

Inspection Date	11 Jul 2011
Inspected by	Richard B. White
Reason for Inspection	Quarterly

(Annual, quarterly or other periodic inspections, critical installation , or completion of construction.)

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

No instability, structural weakness, or other hazardous conditions noted during the inspection.

Questions a and b are required for an impoundment, which functions as a Sedimentation pond.

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Sediment storage capacity = 4.6 AF
Maximum sediment storage elevation = 6163.7 ft
60% cleanout elevation = 6161.5 ft
60% cleanout volume = 2.8 AF

The sediment that accumulated in the pond due to debris blockage and overtopping of a nearby culvert on Willow Creek has been removed. The accompanying embankment erosion on the pond and the adjacent roadway has been repaired.

b. Principle and emergency spillway elevations.

Principal spillway elevation = 6171.0 ft
Emergency spillway elevation = 6172.0 ft

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

The pond was empty at the time of the inspection, with no water flowing into or out of the pond. It does not appear that the pond has discharged since the last inspection. The pond inlet and outlets appear to be in good working condition, with no signs of erosion or structural instability. The embankment appears to be structurally sound. The spillways were not operating at the time of the inspection, but appear to be in excellent condition. Because there has been no outflow, no water samples have been collected.

The localized erosion of the south bank of the pond, due to overtopping of a nearby culvert, has been repaired.

3. **Field Evaluation.**

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

Since much of the mine area has been reclaimed, the pond has a far greater capacity than is necessary under the regulations. Hence, it is doubtful that the pond will spill under normal operating conditions.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Richard Bolt Date: 13 Jul 2011

CERTIFIED REPORT

IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

		YES	NO
1.	Is impoundment designed and constructed in accordance with the approved plan?	☒	☐
2.	Is impoundment free of instability, structural weakness, or any other hazardous conditions?	☒	☐
3.	Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	☒	☐

COMMENTS/ OTHER INFORMATION

The pond appears to be in excellent condition. It is recommended that the pond continue in use under current protocols.

CERTIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: Richard B. White, P.E.

Full Name and Title

Signature: Richard B White Date 13 Jul 2011

P.E. Number & State 168246 (Utah)

[P.E. Cert. Stamp]

EarthFax

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Fax 801-561-1861
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December 22, 2011

Mr. Dennis N. Ware
Plateau Mining Corporation
P.O. Box 592
Orangeville, UT 84537

Subject: Inspection of Sedimentation Pond 001

Dear Dennis:

On December 21, 2011 I conducted an inspection of the Willow Creek Mine sedimentation pond 001. The results of that inspection are attached.

The pond was empty at the time of my inspection, and no water was flowing into or out of the pond. The embankments and appurtenances associated with this pond all appear to be in excellent condition. It is my opinion that the pond may continue to be used in its current state.

Please contact me if you have any questions.

Sincerely,

Richard B. White, P.E.
President

Attachment

To enter text, click in the box and type your response. If a box already contains an entry select the entry and type the replacement. You can use the tab key to move from one field to the next. To select a check box, click in the box or type an x.

GENERAL INFORMATION

Report Date	22 Dec 2011
Permit Number	C/007/038
Mine Name	Willow Creek Mine
Company Name	Plateau Mining Corporation

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Sedimentation Pond 001
Impoundment Number	001A
UPDES Permit Number	UTG040012
MSHA ID Number	NA

IMPOUNDMENT INSPECTION

Inspection Date	21 Dec 2011
Inspected by	Richard B. White
Reason for Inspection	Quarterly

(Annual, quarterly or other periodic inspections, critical installation , or completion of construction.)

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

No instability, structural weakness, or other hazardous conditions noted during the inspection.

Questions a and b are required for an impoundment, which functions as a Sedimentation pond.

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Sediment storage capacity = 4.6 AF
Maximum sediment storage elevation = 6163.7 ft
60% cleanout elevation = 6161.5 ft
60% cleanout volume = 2.8 AF

b. Principle and emergency spillway elevations.

Principal spillway elevation = 6171.0 ft
Emergency spillway elevation = 6172.0 ft

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

The pond was empty at the time of the inspection, with no water flowing into or out of the pond. It does not appear that the pond has discharged since the last inspection. The pond inlet and outlets appear to be in good working condition, with no signs of erosion or structural instability. The embankment appears to be structurally sound. The spillways were not operating at the time of the inspection, but appear to be in excellent condition. Because there has been no outflow, no water samples have been collected.

3. **Field Evaluation.**

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

Since much of the mine area has been reclaimed, the pond has a far greater capacity than is necessary under the regulations. Hence, it is doubtful that the pond will spill under normal operating conditions.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Richard Trotta Date: 22 Dec 2011

CERTIFIED REPORT

IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

		YES	NO
1.	Is impoundment designed and constructed in accordance with the approved plan?	☒	☐
2.	Is impoundment free of instability, structural weakness, or any other hazardous conditions?	☒	☐
3.	Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	☒	☐

COMMENTS/ OTHER INFORMATION

The pond appears to be in excellent condition. It is recommended that the pond continue in use under current protocols.

CERTIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: Richard B. White, P.E.

Full Name and Title

Signature: Richard B White Date 22 Dec 2011

P.E. Number & State 168246 (Utah)

[P.E. Cert. Stamp]

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